Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/03/2022 10:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125047	0	1.31	124917	1.26
Blue	F	SSC	125000	122631	-2	2.65	122927	2.42
Blue	E	FITC	13602	13096	-4	2.23	367	13.32
Blue	D	PE	24891	24518	-2	1.64	583	10.22
Blue	B	PerCP-Cy5-5	33972	33149	-3	2.94	943	14.89
Blue	A	PE-Cy7	22865	22775	-1	4.88	476	29.92
Red	C	APC	47198	46651	-2	2.61	1610	11.56
Red	A	APC-Cy7	26454	25352	-5	3.00	720	12.29
Violet	B	V450	6737	6409	-5	3.55	447	10.64
Violet	A	V500	29317	28281	-4	3.08	967	7.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24204	2.19	538	3	N/A	N/A	Pass
Blue	F	SSC	55097	1.96	519	-2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	3	0.0446	105	Pass
Blue	D	PE	113	39.41	491	5	0.4860	408	Pass
Blue	B	PerCP-Cy5-5	150	40.95	583	4	0.0199	67	Pass
Blue	A	PE-Cy7	78	80.87	627	6	0.0235	9	Pass
Red	C	APC	338	26.45	574	2	0.0279	223	Pass
Red	A	APC-Cy7	134	35.04	550	-1	0.0064	1381	Pass
Violet	B	V450	75	45.47	449	-1	0.0768	2846	Pass
Violet	A	V500	114	28.61	469	0	0.0277	619	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.62	-31.53	1.00
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	14.94	13.90 - 20.86	N/A	N/A	29.86	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9924

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments